

CONTROL AND MONITOR EQUIPMENT FOR VIDEO RECORDER

Publication number: JP6303651 (A)

Publication date: 1994-10-28

Inventor(s): MAIKERU KATONAA +

Applicant(s): SONY CORP +

Classification:

- International: G11B15/02; H04N7/18; H04N17/06; G11B15/02; H04N7/18; H04N17/06; (IPC-7): H04N17/06; G11B15/02; H04N7/18

- European:

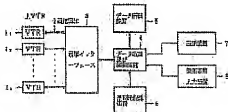
Application number: JP19930085383 19930413

Priority number(s): JP19930085383 19930413

Abstract of JP 6303651 (A)

PURPOSE: To provide the control and monitor device for a video recorder in which data from plural video recorders are displayed in the center, the state of transmission sources is confirmed, the center controls terminal equipments, collected data are stored, the state of the video recorders is stored and the collected data are displayed, the recording is reproduced by an additional video recorder and the collected data are displayed and decoded.

CONSTITUTION: The device is provided with a means 4 controlling plural video recorders 1 based on a read command, a means 4 collecting data from the plural video recorders 1, a means 5 decoding the data, a means 6 storing collected data, a means 7 displaying collected and decoded data, an input means 8 reading a command and an instruction from the user, plural video recorders, the control means 4, and means 2, 3 including a communication medium and a communication interface between the plural video recorders 1, the control means 4 and the collection means 4.



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TELEVISION CONFERENCE SYSTEM

Publication number: JP4373386 (A)

Publication date: 1992-12-25

Inventor(s): ETANI MAKOTO; SUZUKI MASUMI +

Applicant(s): NIPPON ELECTRIC CO; NIPPON ELECTRIC ENG +

Classification:

- International: H04N5/222; H04N7/15; H04N5/222; H04N7/15; (IPC1-7): H04N5/222; H04N7/15

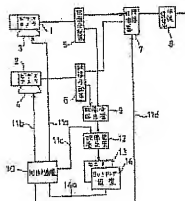
- European:

Application number: JP19910177813 19910524

Priority number(s): JP19910177813 19910524

Abstract of JP 4373386 (A)

PURPOSE: To surely transmit a desired picture by easily performing video source switching and video camera remote control. **CONSTITUTION:** Pictures from plural video sources are subjected to reduction processing by a video synthesizer 9 and are divisionally displayed on one monitor 13 and control key information is displayed and a touch sensor device 14 is attached onto the monitor 13; and when the part corresponding to a picture on the monitor 13 is touched to output the position data signal of this part to a controller 10, this controller 10 outputs a control data signal for movement of the photographing position of a video camera, control key information on the monitor, and a video switching control signal in response to the input of this position data signal and pictures from video sources are switched by this video switching control signal.



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OPTICAL DISK DEVICE

Publication number: JP4184761 (A)

Publication date: 1992-07-01

Inventor(s): HONJO MASAHITO +

Applicant(s): MATSUSHITA ELECTRIC IND CO LTD +

Classification:

- International: G11B7/00; G11B7/004; G11B20/10; H04N5/765; H04N5/781; H04N5/85; H04N5/92; H04N5/926; H04N5/79; G11B7/00; G11B20/10; H04N5/765; H04N5/781; H04N5/84; H04N5/92; H04N5/926; H04N5/79; (IPC1-7): G11B7/00; G11B19/02; H04N5/85

- European: H04N5/85; H04N5/926B; H04N5/79M

Application number: JP19900317216 19901120

Priority number(s): JP19900317216 19901120

Also published as:

JP2507174 (B2)

EP0487264 (A2)

EP0487264 (A3)

EP0487264 (B1)

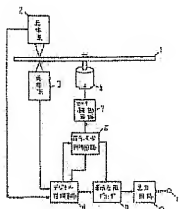
US5255103 (A)

more >>

Abstract of JP 4184761 (A)

PURPOSE: To reproduce or record/reproduce both an NTSC signal and a high quality television signal by one optical disk device by digitizing first, second signals, and recording/reproducing digital information band-compressed up to a predetermined bit rate at a predetermined rotating speed or a predetermined linear speed.

CONSTITUTION: Information recorded on an optical disk 1 is sent to a read digital demodulator 4 via optical systems 2, 3. In this case, digital information digitized from a first signal and band-compressed up to a predetermined bit rate A1 is reproduced or recorded/reproduced at a predetermined rotating speed K or a predetermined linear speed V, and digital information digitized from a second signal and band-compressed to a predetermined bit rate A2 is reproduced or recorded/reproduced at a rotating speed of about $K \times A2/A1$ or at a linear speed of about $V \times A2/A1$. Thus, a narrow band signal such as an NTSC signal, a wide band signal such as a high quality television signal can be reproduced or recorded/reproduced by one optical disk device.



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MONITORING SYSTEM FOR GAME HALL

Publication number: JP5168760 (A)

Publication date: 1993-07-02

Inventor(s): OKAZAKI MAKOTO +

Applicant(s): DAIKOKU DENKI KK +

Classification:

- International: A63F7/02; G08B21/00; H04N5/225; H04N7/18; A63F7/02; G08B21/00; H04N5/225; H04N7/18; (IPC1-7): A63F7/02; G08B21/00; H04N5/225; H04N7/18

- European:

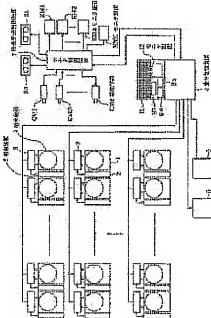
Application number: JP19910355803 19911220

Priority number(s): JP19910355803 19911220

Abstract of JP 5168760 (A)

PURPOSE: To quickly monitor the abnormal state of many terminal devices including playing machines and surely and quickly confirm the content of the abnormal state with a picture recording means.

CONSTITUTION: A centralized control device 4 automatically generates a monitor command when the abnormal state such as an illicitious action occurs on a Japanese pinball (pachinko) playing machine 1. A monitor control device 7 operates a television camera corresponding to the pachinko playing machine 1 specified by the monitor command and picks up the image on the pachinko playing machine 1 and the surrounding to reproduce it on a monitor. When the monitor command includes a picture recording command, the picked-up image is recorded with the serial data applied to a video tape recorder 8a or 8b. When a keyboard 9a on the centralized control device 4 slide is operated to generate a reproduction command including the desired serial data, the picture-recorded data corresponding to the serial data are read on the video tape recorder 8a or 8b, and the picture-recorded data are reproduced on a main monitor 12.



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VIDEO SIGNAL PROCESSING METHOD AND DEVICE

Publication number: JP5227532 (A)

Publication date: 1993-09-03

Inventor(s): DEIBIIDO ERUBABAUMU +

Applicant(s): ERUBETSUKUSU VIDEO KK +

Classification:

- International: H04N5/073; H04N5/232; H04N7/08; H04N7/081; H04N7/18;
H04N5/067; H04N5/232; H04N7/08; H04N7/081; H04N7/18;
(IPC1-7): H04N5/073; H04N5/232; H04N7/08; H04N7/18

- European:

Application number: JP19920058829 19920213

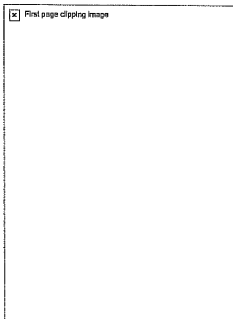
Priority number(s): JP19920058829 19920213

Also published as:

JP2817151 (B2)

Abstract of JP 5227532 (A)

PURPOSE: To obtain extract signals from plural television cameras at a high speed by a simple device by superimposing an identification code on a composite video, and transmitting the data from a transmitting means. **CONSTITUTION:** A video recorder 32 records the composite signal which is successively and repeatedly outputted from a switching circuit 22, and on which the identification code generated from a transmitter 18 is superimposed, in at least each field or frame period of the composite video signal. The reproduced composite video signal from the video recorder 32 is supplied through a receiver and the switch S2 of the switching circuit 22 to a control circuit 34 and a storage circuit 38. The video signal stored in the storage circuit 38 is updated only when a match signal is generated from a controller, and outputted to a monitor 40 until the other match signal is generated and the storage information is updated to the newly inputted video signal. Thus, each composite video signal inputted to the video recorder 32 can be selectively and successively extracted by using the switch S2.



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OPERATING STATE MONITOR DEVICE

Publication number: JP6004731 (A)

Publication date: 1994-01-14

Inventor(s): FUKUDA MASAHIKO; KAKUBUCHI KOUICHI; TANA NAOKI +

Applicant(s): KEYENCE CO LTD +

Classification:

- International: G07C3/00; G06T1/00; G08B23/00; G08B25/00; G07C3/00;
G06T1/00; G08B23/00; G08B25/00; (IPC1-7); G07C3/00;
G08F15/02; G08B23/00

- European:

Application number: JP19920165861 19920624

Priority number(s): JP19920165861 19920624

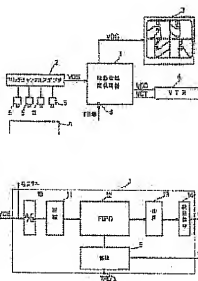
Also published as:

JP3223258 (B2)

Abstract of JP 6004731 (A)

PURPOSE: To record states before and after the change of the operating state with a low cost.

CONSTITUTION: An operating state monitor device records picture data of an equipment picked up by a video camera on a VTR 4 to monitor the operating state of the monitor object. This device is provided with a compressing circuit 11, a FIFO memory circuit 12, an expanding circuit 13, and a control circuit 5. The compressing circuit 11 compresses picture data obtained by the video camera. The FIFO memory circuit 12 delays picture data compressed by the compressing circuit 11. The expanding circuit 13 expands the delay result of the FIFO memory circuit 12. The control circuit 5 records the expansion result of the expanding circuit 13 on the VTR 4 when the operating state is changed.



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SECURITY SYSTEM

Publication number: JP6044470 (A)

Publication date: 1994-02-18

Inventor(s): MURASE YOSHITAKA +

Applicant(s): IBIDEN CO LTD +

Classification:

- International: G08B13/196; G08B23/00; G08B25/00; H04N7/18; G08B13/194; G08B23/00; G08B25/00; H04N7/18; (IPC1-7): G08B13/198; G08B23/00; H04N7/18

- European:

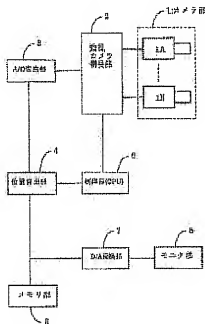
Application number: JP1992021746B 19920724

Priority number(s): JP1992021746B 19920724

Abstract of JP 6044470 (A)

PURPOSE: To provide a security system capable of sending picture information required for preventing robbery and securing safety to a required position.

CONSTITUTION: This system is provided with a camera part 1 provided with monitoring cameras 1A-1E, a monitoring camera switching part 2 for performing selective changeovers, an A/D conversion part 3 for converting analog signals relating to a mobile object from the monitoring cameras to corresponding digital signals, a position calculation part 4 for time sequentially calculating the present position of the recognized mobile object based on the digital signals, a memory part 5 for storing information relating to the time sequential present position of the mobile object, a control part (CPU) 6 for executing a required data processing function and a control function, a D/A conversion part 7 for converting the digital signals stored in the memory part 5 to the corresponding analog signals and a monitoring part 8 for receiving the analog signals from the D/A conversion part 7 and displaying the information caught by the monitoring cameras as pictures based on the required instruction from the control part (CPU) 6.



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DISPLAY FORM CHANGING SYSTEM FOR MULTI-POSITION VIDEO CONFERENCE SYSTEM

Publication number: JP6070040 (A)

Publication date: 1994-03-11

Inventor(s): TSURUTA TORU; ITO TAKASHI; MATSUDA KIICHI +

Applicant(s): FUJITSU LTD +

Classification:

- International: H04M3/56; H04N7/15; H04M3/56; H04N7/15; (IPC1-7): H04M3/56; H04N7/15

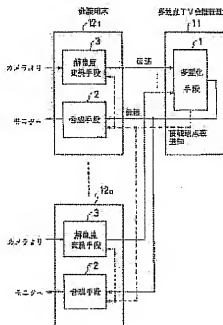
- European:

Application number: JP19920219951 19920819

Priority number(s): JP19920219951 19920819

Abstract of JP 6070040 (A)

PURPOSE: To provide the display form changing system in the case changing a display form on a screen concerning a multi-position video conference system. **CONSTITUTION:** Concerning the multi-position video conference system, conference terminals 121-12n provided at plural positions are connected to a multi-position TV conference equipment 11, and this multi-position TV conference equipment 11 is provided with a multiplexing means 1 to select, multiplex and output images from the plural conference terminals. The respective conference terminals 121-12n are provided with synthesizing means 2 to synthesize image data from the respective conference terminals separated from the multiplexed received data and to simultaneously display those data on multiple positions. The synthesizing means 2 at each conference terminal changes the divided display form on the screen corresponding to the number of conference terminals informed from the multi-point TV conference equipment 11.



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CONTROL CIRCUIT OF MULTIPLE IMAGE COMPRESSION, RECORDING AND PLAYBACK

Publication number: JP6078269 (A)

Publication date: 1994-03-18

Inventor(s): SAI KAIYOU +

Applicant(s): SAM SUNG ELECTRONIC +

Classification:

- International: H04N5/765; G06T9/00; G08B13/16; G08B15/00; H04N5/915; H04N5/92; H04N5/926; H04N7/18; H04N5/765; G06T9/00; G08B13/194; G08B15/00; H04N5/915; H04N5/92; H04N5/926; H04N7/18; (IPC1-7): H04N5/91; H04N5/782

- European: G08B13/196; G06T9/00; H04N5/92N4; H04N5/926B; H04N7/18C

Application number: JP19920226570 19920828

Priority number(s): KR19920002692 19920221

Also published as:

GB2264838 (A)

US615017 (A)

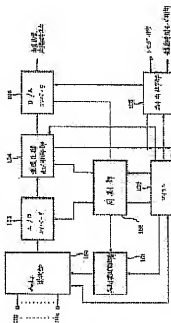
DE4226420 (A1)

DE4226420 (C2)

Abstract of JP 6078269 (A)

PURPOSE: To efficiently implement a monitoring function by reducing video recording intervals per a channel by sequentially selecting lots of camera signals through an optimum video recording mode and a compression ratio when the image signals are selected and recorded from lots of monitor cameras.

CONSTITUTION: A channel selection control part 101 outputs a control signal by a channel selection part 100 under the control of a microcomputer 107 and a synchronization part 102 and selects and outputs one among inputted channels. The video signal of the channel selected by the channel selection part 100 is converted by an A/D converter 103 into a digital signal and after image compression and optimum and maximum compressing operation are executed with a control part 104, data regarding a compression ratio, etc. are outputted to the microcomputer 107 and an output control part 105 and a compressed signal is outputted to a D/A converter 106. Here, the microcomputer 107 judges an optimum video recording time mode by the compression ratio to control the video recording time mode of the video.



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IMAGE MONITORING METHOD

Publication number: JP0086289 (A)

Publication date: 1994-03-25

Inventor(s): NITO MASAO +

Applicant(s): FUJII FACOM CORP; FUJII ELECTRIC CO LTD +

Classification:
 - International: G05B23/02; G08B13/196; G08G5/00; G09G5/14; H04N7/18; G05B23/02;
 G08B13/194; G09G5/00; G09G5/14; H04N7/18; (IPC1-7): H04N7/18; G05B23/02;
 G08B13/196; G08G5/00; G09G5/14

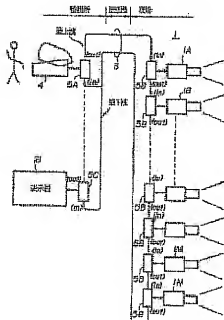
- European:

Application number: JP19920231110 19920831

Priority number(s): JP19920231110 19920831

Abstract of JP 6086289 (A)

PURPOSE: To reduce operator's burden by simplifying a monitoring work executed by an operator. CONSTITUTION: Plural video cameras 1 (1A-1N) are arranged in a job site, and they are connected to each other through frame input/output devices 5B and a common transmission line 3, and also, a monitor console 4, and an indicator 21 are connected to the uppermost stream position of the transmission line 3, and its lowermost stream position, respectively. By issuing an initialized frame from this monitor console 4, image information is collected from each video camera 1 and inserted and relayed into its frame, and received by the indicator so that plural image information can be displayed on one screen by a prescribed format, and monitoring is facilitated.



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MONITORING DEVICE

Publication number: JP6096378 (A)

Publication date: 1994-04-08

Inventor(s): SAKA MASATAKA; HIGUCHI MASAO; NAKAYA TETSUO +

Applicant(s): ELMO CO LTD +

Classification:

- International: G08B13/196; G08B21/00; G08B23/00; G08B23/00; H04N7/18; G08B13/194; G08B21/00; G08B23/00; G08B23/00; H04N7/18; (PC1-7): G08B23/00; G08B13/196; G08B21/00

- European:

Application number: JP19920268016 19920809

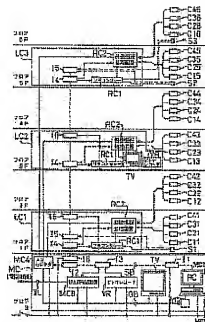
Priority number(s): JP19920268016 19920809

Also published as:

JP2791411 (B2)

Abstract of JP 6096378 (A)

PURPOSE: To easily perform high-level monitoring operation and also carry on the monitoring operation without taking eyes off a monitor as to the monitor device for monitoring a remote monitor position by utilizing a monitor camera. **CONSTITUTION:** Local controller LCM perform decentralized control over image information from monitor cameras C1n-C4n which are installed on respective floors. The image information of the monitor cameras C1n-C4n sent from the local controllers LCM to a main controller MC is inputted to a PC through a capture board MC2 and can be composed into a computer screen image. Then the image information is displayed on the monitor MC 15 together with various commands required for monitoring operation by other inputted to the PC by selecting and indicating a desired command displayed selected and indicated by using on the monitor MC15 by using a mouse MC17.



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VIDEO CONFERENCE TELEPHONE SYSTEM

Publication number: JP6141310 (A)

Publication date: 1984-05-20

Inventor(s): TAKEUCHI TSUTOMU +

Applicant(s): ALMEX INC +

Classification:

- International: H04N7/15; H04N7/15; (IPC1-7): H04N7/15

- European:

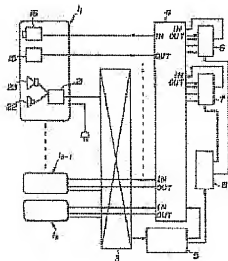
Application number: JP19920285961 19921023

Priority number(s): JP19920285961 19921023

Abstract of JP 6141310 (A)

PURPOSE: To specify an utterance party and to recognize its utterance time visually.

CONSTITUTION: The system is constituted of video conference telephone terminal sets 11-1n consisting of a picture transmission reception section and a voice transmission reception section which are composed of an image pickup device 18 and a picture display device 15 for displaying plural pictures on the same screen, a digital private branch exchange 3 connecting to a voice transmission/reception section, a picture switching device 4, pattern division devices 6, 7 for dividing and synthesizing the picture and displaying plural pictures on a picture device 15, a central controller 5 controlling the picture switching of the picture switching device 4 based on a voice signal and a synthesis ratio revision controller 8 for revising a synthesis picture area of a specific picture timewise in the control of the central controller 5. Thus, the utterance party is specified and its utterance time is recognized visually.



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VIDEO DATA PRESERVING DEVICE

Publication number: JP6265774 (A)

Publication date: 1994-09-22

Inventor(s): KAWASAKI KAORU; OZAKI MINORU; KUMAZAWA HIROYUKI;
TANIGUCHI HIROYASU; FURUSAWA HARUKI +

Applicant(s): MITSUBISHI ELECTRIC CORP +

Classification:

- International: H04N5/76; G06F17/30; G08G1/00; H04N5/225; H04N7/16;
H04N5/76; G06F17/30; G08G1/00; H04N5/225; H04N7/16;
(IPC1-7): G06F15/40; H04N5/76

- European:

Application number: JP19930080134 19930315

Priority number(s): JP19930080134 19930315

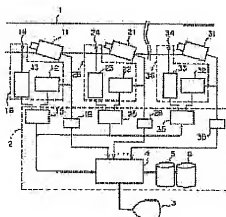
Also published as:

JP3387957 (B2)

Abstract of JP 6265774 (A)

PURPOSE: To obtain a video data preserving device where the necessary part of the video fetched from a video camera is efficiently recorded and preserved by making the part into a data base.

CONSTITUTION: This device is provided with a long range video storage part 5 recording and preserving the designated video of the video fetched by video cameras 11, 21 and 31 which are temporarily stored in a short range video storage parts 16, 26 and 36, an attribute information storage part 6 storing attribute information including contents images for the retrieval of video to be recorded and preserved in the long range video storage part 5 and trigger conditions, etc.; at the time of recording and preserving video in the long range video storage part 5 and an image storage control part 4 recording and preserving prescribed amount of video which is temporarily stored in the short-range video storage parts 16, 26 and 36 when the trigger conditions are arranged, and the device is further provided with an alarm part generating alarm information at the point of time when the trigger conditions are arranged.



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MOVING PICTURE MONITORING DEVICE

Publication number: JP7087098 (A)

Publication date: 1995-03-10

Inventor(s): MAENOZONO TOSHIO +

Applicant(s): FUJII ELECTRIC CO LTD +

Classification:

- International: H04N7/18; G06T9/00; H04N7/18; G06T9/00; (IPC1-7): H04N7/18

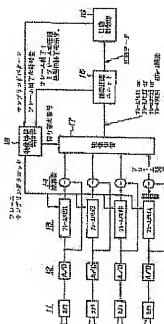
- European: G06T9/00P

Application number: JP19930211465 19930826

Priority number(s): JP19930211465 19930826

Abstract of JP 7087098 (A)

PURPOSE: To monitor pictures from plural cameras by using the compressing/ expanding part only of one system by switching and fetching the pictures from the plural cameras, and time-dividing and outputting the pictures. CONSTITUTION: The pictures from plural cameras 11 are digitized by an A/D converter 12, and read as patterns constituted of frame memories 1-4 according to a sampling clock outputted from a video switching control part 18 at certain time intervals. At this time, the picture concerned being the output of the converter 12 and the previous picture being the output of a memory 13 are inputted to a subtractor 14, an inter-frame difference is calculated, and fetched again in the memory 13 as the picture concerned. The obtained inter-frame difference is successively selected by a video switcher 17, and applied to a compression unit 15. The unit 15 successively compresses the inter-frame difference from the switcher 17, adds a video number and code amounts to the header part, and transmits it to a transmission control part 16, and it is transmitted to a transmission line.



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Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number: **0 494 752 A1**

(12)

EUROPEAN PATENT APPLICATION

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(51) Int. Cl.⁵: **H04N 5/262, H04N 5/445**

(22) Date of filing: **07.01.92**

(30) Priority: **07.01.91 IE 49/91**

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15.07.92 Bulletin 92/29

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(54) **Multiple security video display.**

(57) Monitoring apparatus for a security system comprises a monitor 21 and twelve video cameras C1 to C12. An effects unit 20 includes a buffer memory 24 and a set of 13 video compression units 23. Twelve of these units generate twelve zones of small size for displaying small complete images on the monitor from the video camera outputs, and the 13th generates a central zone of larger size. Selection means 25 select any desired one of the camera outputs for display as the large image.